

S1 File– Literature review Female Sex Worker: Relative population size, condom use, HIV prevalence.

Quantitative and qualitative research studies were searched in Pubmed, Adolec, and Popline, using the following search terms: ‘sex work’, ‘sex worker’, ‘prostitute’, ‘prostitution’, ‘transactional sex’. In addition, when no information was available using these search terms, the term ‘HIV’ was used. The search was limited to the 2010-2013 time period. Abstracts were further examined to determine eligibility for inclusion. In addition, grey literature and reports, such DHS, IBSS, UNGASS, UNAIDS, UNICEF, USAID, World Bank were studied as far as they were accessible.

Benin: population 8 525 574 (UNGASS 2012/2010)

| Parameter variable | Estimate | Source | Study detail | Comment |
|---|---|--------------|--|---------|
| Consistent condom use FWSs with clients | 91·7% last seven days 85·1% last day of work (91,7% among official FSWs, 80,2% among clandestine) | ¹ | 1016 FSWs | |
| | 94·6% always during last 7 days | ² | 773 FSWs (15-29) were interviewed 429 official and 344 clandestine | |
| HIV prevalence FSWs | 20·4%· 25,2% among official FSWs and 17,7% among clan destines | ¹ | 1016 FSWs | |

Burkina Faso: Population: 14 017 267 (2006)

| Parameter variable | Estimate | Source | Study detail | Comment |
|------------------------------------|---|--------------|--|---|
| Consistent condom use FSWs clients | 98·2% last client 94·8% last day 92·8% always | ³ | Sample=1016 FSWS 62% seaters 21% street FSWs, 18% clandestine. | From: l’Enquête bio comportementale auprès des travailleuses de sexe et leurs clients 94% of clandestine FSWs were from particular province Poni |

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|---------------------|--|--------------|---|------------------|
| | 89·7% last new client 78·3% last regular client | ⁴ | 115 professional SWs of the ANRS 1222 Yerelon Cohort at Enrolment | At the base-line |
| HIV prevalence FSWs | 25·7% 35·9% among professional SWs 23·5% among part-time SWs | ⁴ | 658 FSWs (full-time and part-time) of the ANRS 1222 Yerelon Cohort at Enrolment | Mean age 25 |

Cameroon: Population: 22.25 million (2013)

| Parameter variable | Estimate | Source | Study detail | Comment |
|---------------------------|---|--------------|--------------|---------|
| Consistent condom use FSW | 72·7% last paid sex | ⁵ | | |
| HIV prevalence FSWs | 36·7% 2009 | ⁵ | | |
| | 36%, the highest in Adamoua region-49.5%; the lowest in Sud region-23.9% The highest prevalence was among 20-29 years old FSWs | ⁶ | | |

Cote d'Ivore: Population 19 737 800 (2010)

| Parameter variable | Estimate | Source | Study detail | Comment |
|------------------------------------|-------------------|--------------|--|---|
| Consistent condom use FSWs clients | 92·8% last client | ⁷ | | Enquête CAP PS 2011 dans 12 régions |
| HIV prevalence FSWs | 26·6% | ⁸ | Cross-sectional survey among 1110 FSWs who attended clinics in 4 regions in 2007 and in 2009 | Same study cited in UNGASS report but with prevalence 28·6% |

Gambia: population: 1 776 000 (2011) World Bank

| Parameter variable | Estimate | Source | Study detail | Comment |
|----------------------------|----------------|--------------|--------------|---------|
| Consistent condom use FSWs | 96.7% last sex | ⁹ | | |

Ghana: population 24 223 430 (census 2010)

| Parameter variable | Estimate | Source | Study detail | Comment |
|------------------------------------|---|---------------|---|--|
| Percentage of FSWs | 51,934 (47,786 – 58,920) 0.7% of females aged 15-64 | ¹⁰ | National level Mapping | From: IBBSS, 2011 90% of those were roamers |
| Consistent condom use FSWs clients | 92% last client 90.3% among roamers and 95.9% among seaters | ¹⁰ | | From: IBBSS, 2011 |
| | 79.2% always 74.6% among roamers and 89.9% among seaters | ¹⁰ | | From: IBBSS, 2011 |
| | 90.2% with clients in last 3 months | ¹¹ | 559 FSWs (75% roamers, 25% seaters) mean age 27 in Tema-Paga transport corridor | |
| HIV prevalence FSWs | 25.1% | ¹⁰ | | Declined from 34% in 2006 |

Guinee: population 10 200 000 (UNGASS 2012)

| Parameter variable | Estimate | Source | Study detail | Comment |
|------------------------------------|-----------------|---------------|-----------------|---------|
| Consistent condom use FSWs clients | 77% last client | ¹² | National survey | |

| | | | | |
|---------------------|-----------------------------|---------------|--|--|
| | 84·1% during last 12 months | ¹³ | National survey among 1009 FSWs | |
| HIV prevalence FSWs | 34·4% | ¹² | | From: Enquête nationales auprès des population à Risqué (ESCOMB 2007) |
| | 32·7% | ¹² | In Corridor Boke among 101 tested FSWs | From: Enquête régionale faite sur un échantillon réduit dans trois régions It was 20·7% in the same region in 2007 (among 598 FSWs) |

Liberia: population 3 500 000 (Census, 2008)

| Parameter variable | Estimate | Source | Study detail | Comment |
|--------------------|--|---------------|------------------------|--|
| Percentage of FSWs | Estimated size 1822 (about 0·2% among 15-49 age) | ¹⁴ | Data collected in 2011 | This was a size estimate study in 2011 among MARPs |

Mali: population 14 517 176 (UNGASS, 2012, data 2009)

| Parameter variable | Estimate | Source | Study detail | Comment |
|--|----------------|---------------|--------------|------------------|
| Consistent condom used FSWs with clients | 98·1% last sex | ¹⁵ | | From: ISBS, 2009 |
| HIV prevalence FSWs | 24·2% | ¹⁵ | | From: ISBS, 2009 |

Niger: population 14 517 176 (UNGASS, 2012, data 2009)

| Parameter variable | Estimate | Source | Study detail | Comment |
|--|----------------|---------------|--------------|------------------------|
| Consistent condom used FSWs with clients | 94·4% last sex | ¹⁶ | | From: Enquête SSG 2011 |

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|---------------------|-------|---------------|-------|--|
| HIV prevalence FSWs | 35·6% | ¹⁶ | N=900 | From: Surveillance sentinelle 2009 In different regions from 16,7% to 60,6% |
|---------------------|-------|---------------|-------|--|

Nigeria

Population: 162,265,000 (UNGASS, 2012)

Note: most data comes from last IBBSS conducted in nine Nigerian states in 2010: Lagos, Kano, Kaduna, Benue, Nasarawa, Edo, Anambra, Cross River, FCT. Study recruited 2, 265 BB-FSWs and 2,194 NBB-FSWs

| Parameter variable | Estimate | Source | Study detail | Comment |
|---|---|---------------|---|--|
| Consistent condom use BB-FSWs with client | 95·1% (last sex 90·6% (last 30 days) | ¹⁷ | | |
| HIV prevalence BB-FSWs | 27·4% | ¹⁷ | | HIV was higher in females with no formal education and in females who reported spending 5+ years in sex work |
| | 29·6% | ¹⁸ | N=124 FSWs from Kano region, average age 26·4 | |
| HIV prevalence NBB-FSWs | 21·1% | ¹⁷ | | HIV was higher in females with primary education and in females who reported spending 5+ years in sex work |
| HIV prevalence among transport workers | 2·4% | ¹⁷ | | |
| HIV prevalence among armed forces | 2·5% | ¹⁷ | | |
| HIV prevalence among police | 2·6% | ¹⁷ | | |

Senegal: population: 12 855 153 (2011)

| Parameter variable | Estimate | Source | Study detail | Comment |
|------------------------------------|--|---------------|--------------|-----------------|
| Consistent condom use FSWs clients | 93·7% last client 94·6% last old client among professional SWs 90·7% among clandestine | ¹⁹ | N=703 | From: ENCS 2010 |

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|---------------------|--|---------------|-------|---|
| | 98·7% new client among professional SWs 95·7% among clandestine | | | |
| HIV prevalence FSWs | 18·5% 21·6% among professional SWs 9·9% among clandestine | ¹⁹ | N=703 | It was 19·8% in 2006 23·8% among official sex workers 12·1% among clandestine |

Sierra Leone: population 5 600 000

| Parameter variable | Estimate | Source | Study detail | Comment |
|--------------------|----------------|---------------|--------------|---------|
| Percentage of FSWs | 3·5 % (82,779) | ²⁰ | | |

Togo: population 6 200 000 (UNGASS, 2012/data 2010) 25% women 15-49 (795,515)

| Parameter variable | Estimate | Source | Study detail | Comment |
|--|---|---------------|--|---------|
| Percentage of FSWs | 5397 (0,7% of 15-49 females) | ²¹ | Data was collected in 2005 in all Togo regions at SW sites and included both BB and NBB-FSWs | |
| Consistent condom use BB-FSWs and NBBs | 95·3% ever 88% consistently during last day of sex work 79·1% always during the last week | ²² | 1106 FSWs | |
| HIV prevalence BB-FSWs and NBBs | 13·1% (21·8 among official FSWs and 10% among clandestines) 28% among 18-24 year olds | ²² | Among 294 official sex workers and 812 clandestine sex workers | |

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